Matthias **Lehmann**

PHD STUDENT

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Research Interests

My research interests include reinforcement learning applications, reinforcement learning from human preferences and deep learning

Education

Ph.D. in Supply Chain Management
Cologne, Germany

UNIVERSITY OF COLOGNE
Since Oct. 2021

- Research on applications of human-in-the-loop reinforcement learning
- Expected graduation date: 09/24

B.Sc. in Mathematics
Hagen, Germany

FERNUNIVERSITÄT HAGEN
Since Apr. 2021

- Minor in Computer Science
- Expected graduation date: 01/24

M.Sc. in International Management (CEMS)
Cologne, Germany

UNIVERSITY OF COLOGNE
Oct. 2018 - Jan. 2021

- Average grade: 1.2, among the top 5% of graduates
- Exchange semester at Rotterdam School of Management

B.Sc. in Business Administration
Cologne, Germany

UNIVERSITY OF COLOGNE
Oct. 2015 - Feb. 2018

- Average grade: 1.2, among the top 1% of graduates
- Summer school in New York in 2016

Experience

University of Cologne
Cologne, Germany

TEACHING ASSISTANT
Since Oct. 2021

- Supervision of bachelor's and master's theses
- Graduate level courses: Python programming & machine learning course, supply chain research seminar
- Organizing committee of the international conference "CEMS Research Seminar on Supply Chain Management"

REWE
Cologne, Germany

DATA SCIENCE INTERN
Apr. 2021 - Oct. 2021

- Developed a transformer-based classification model to automatically allocate 100,000 products based on their names to product groups with human-expert level accuracy
- Developed a machine learning model to forecast sales as control group for field experiments
- Research project on improving product availability through deep learning

HKCF Corporate Finance
Cologne, Germany

CONSULTANCY INTERN
Feb. 2018 - Apr. 2018

- M&A and debt financing projects

Skills

Programming	Python, LaTeX, SQL, Git
Frameworks	TensorFlow, NumPy, Pandas
Languages	English, German

Honors & Awards

Since 2021	**PhD Scholarship**, Cologne Graduate School in Management, Economics and Social Sciences	*Cologne, Germany*
2015-2020	**Scholarship**, "Deutschlandstipendium" for gifted students	*Cologne, Germany*
2006-2014	**5-time award winner**, Mathematical Olympiad, state-wide round	*Germany*
2006-2014	**8-time award winner**, math competition "Känguru der Mathematik"	*Germany*

Interests

- Tennis: team captain and engaged in training youth players
- Chess
- Soccer